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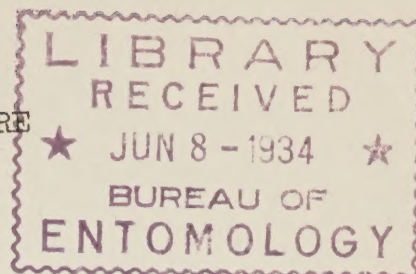
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UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF ENTOMOLOGY

Cooperating With

NEW JERSEY DEPARTMENT OF AGRICULTURE
JAPANESE BEETLE PROJECT
MOORESTOWN, NEW JERSEY



IMPROVED BAIT FOR JAPANESE BEETLE TRAPS

After two years of experimental work at the Japanese Beetle Laboratory, it has been found that certain changes are advisable in the bait formula previously recommended. These changes involve increasing the amounts of the attractive agents, namely, geraniol (which should not be confused with geranium oil) and eugenol. Traps baited according to the formula given below captured over two and one-half times as many beetles as did traps containing bait prepared in accordance with previous recommendations. The use of the increased amounts of geraniol and eugenol will result in the bait costing a few cents more than formerly, but it is believed that the greatly increased beetle catch resulting from its use will more than compensate for its slightly increased cost.

The formula now recommended for trap bait is as follows:

Geraniol (at least 58% pure)-----	4 teaspoonfuls (15 grams)
Eugenol (U.S.P.)-----	1/2 teaspoonful (1.5 grams)
Bran-----	1-1/2 cups (75 grams)
Water-----	1 tablespoonful (13 cc.)
Molasses-----	2-1/2 tablespoonfuls (39 cc.)
Glycerine, C.P.-----	1-1/2 teaspoonfuls (6 cc.)

Total weight, approximately 150 grams, or one-third of a pound.

This amount is sufficient for one baiting of the large cylindrical traps. Certain types of traps have bait containers which hold an ounce of bait or even less. When bait prepared according to the above formula is used in such traps, it will be seen that only a very small amount of geraniol and eugenol is present. This quantity of bait does attract beetles. The efficiency of traps with small bait containers is greatly increased, however, by adding as much geraniol and eugenol to 25 grams of the plain bait as is recommended for the larger quantity.

For further information regarding traps and bait, address the Japanese Beetle Laboratory, Moorestown, New Jersey.

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